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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ali S Sadri et al.

Title: CHANNEL ESTIMATION FEEDBACK IN AN ORTHOGONAL FREQUENCY DIVISION
MULTIOLEXING SYSTEM OR THE LIKE

Docket No.: 884.G20US1

Filed: September 17, 2003

Examiner: Unknown

Serial No.: 10/665,939

Due Date: N/A

Group Art Unit: Unknown

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

☒ Return postcard.

☒ Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 6 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

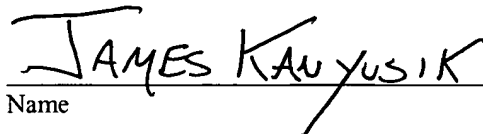
Customer Number 21186

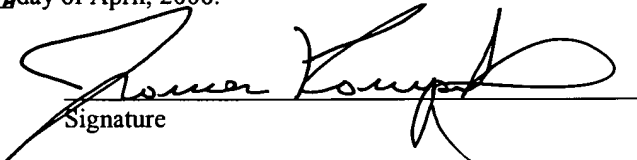
By: 

Atty: Timothy B. Clise

Reg. No. 40,957

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25th day of April, 2006.


Name


Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

S/N 10/665,939



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ali S Sadri et al.	Examiner:	Unknown
Serial No.:	10/665,939	Group Art Unit:	Unknown
Filed:	September 17, 2003	Docket:	884.G20US1
Title:	CHANNEL ESTIMATION FEEDBACK IN AN ORTHOGONAL FREQUENCY DIVISION MULTIOLEXING SYSTEM OR THE LIKE		
Assignee:	Intel Corporation	Customer Number:	21186

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

Customer No.: 21186

Dkt: 884.G20US1 (INTEL)

Serial No :10/665,939

Filing Date: September 17, 2003

Title: CHANNEL ESTIMATION FEEDBACK IN AN ORTHOGONAL FREQUENCY DIVISION MULTIOLEXING SYSTEM OR THE LIKE

Assignee: Intel Corporation

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included a copy of the U.S. Published Application cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ALI S SADRI ET AL.

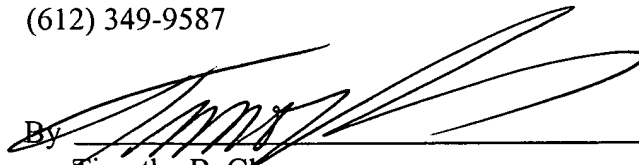
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Attorneys for Intel Corporation
P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9587

Date

25 April '06

By

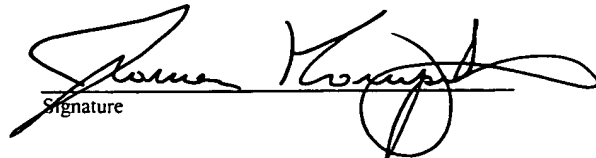

Timothy B. Chise
Reg. No. 40,957

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Name

JAMES KAUKSIK

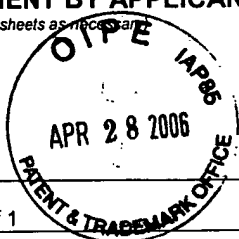
Signature



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Sheet 1 of 1

Complete if Known

Application Number	10/665,939
Filing Date	September 17, 2003
First Named Inventor	Sadri, Ali
Group Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket No: 884.G20US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2003/0035491A1	02/20/2003	Walton, J. R., et al.	05/11/2001

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Supplement to IEEE Standard for Information Technology- Telecommunications and Information Exchange Between Systems- Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: High-Speed Physical Layer in the 5 GHZ Band", <u>IEEE Std 802.11A-1999</u> , (December 30, 1999), 90 pgs.	
		LARSSON, ERIK G., "Joint Symbol Timing and Channel Estimation for OFDM Based WLANs", <u>IEEE Communications Letters</u> , 5(8), (August, 2001), 325-327	
		MOGHADDAM, P. H., et al., "A New Algorithm for Multipath Time Delay Estimation in Low SNR Using MLE Method", <u>Proceedings of the 1998 International Symposium on Underwater Technology</u> , (1998), 35-38	
		ONIZAWA, T., et al., "A Simple Adaptive Channel Estimation Scheme for OFDM Systems", <u>Vehicular Technology Conference (VTC '99)</u> , (1999), 279-283	
		VAN NEE, R., et al., "Chapter 2 - OFDM Basics", In: <u>OFDM Wireless Multimedia Communications</u> , Artech House, (2000), 33-51	
		VAN NEE, R., et al., "Chapter 5 - Coherent and Differential Detection", In: <u>OFDM Wireless Multimedia Communications</u> , Artech House, (2000), 95-117	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached